

MOLDING DIE, HOLLOW CERAMIC MONOLITHIC SUPPORT AND  
METHOD OF MANUFACTURING THE SAME, AND  
CATALYTIC CONVERTER SYSTEM

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ABSTRACT OF THE DISCLOSURE

10           The present invention provides a hollow ceramic  
monolithic support that has high isostatic strength, a  
method of manufacturing the hollow ceramic monolithic  
support at low cost, and a molding die therefor.

15           According to the present invention, the hollow  
ceramic monolithic support comprises a main body 82 that  
has a multitude of cells 45 surrounded by ribs 84 of a  
honeycomb structure, the hollow space 80 made at the  
center of the main body 82 so as to penetrate  
20           therethrough in the longitudinal direction, the outer  
periphery skin portion 81 that covers the outer  
peripheral surface of the main body 82 and the inner  
periphery skin portion 83 that covers the inner  
peripheral surface of the main body 82. Ribs 84 located  
25           in a layer in a range from one to 10 cells from the inner  
periphery skin portion 83 are made to form high strength  
portions S2 that have higher strengths than the other  
portion P of the ribs located outside thereof.